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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/991,508	11/16/2001	Franklin Zhigang Zhang		7770
7590	08/26/2005		EXAMINER	
Franklin Zhigang Zhang 4717 Spencer St. Torrance, CA 90503			NGUYEN, TU X	
		ART UNIT	PAPER NUMBER	
		2684		
DATE MAILED: 08/26/2005				

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No.	Applicant(s)
	09/991,508	ZHANG, FRANKLIN ZHIGANG
	Examiner	Art Unit
	Tu X Nguyen	2684

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) Responsive to communication(s) filed on 22 July 2005.
 2a) This action is FINAL. 2b) This action is non-final.
 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) Claim(s) 10-22 is/are pending in the application.
 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
 5) Claim(s) _____ is/are allowed.
 6) Claim(s) 10-22 is/are rejected.
 7) Claim(s) _____ is/are objected to.
 8) Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) The specification is objected to by the Examiner.
 10) The drawing(s) filed on _____ is/are: a) accepted or b) objected to by the Examiner.
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 a) All b) Some * c) None of:
 1. Certified copies of the priority documents have been received.
 2. Certified copies of the priority documents have been received in Application No. _____.
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____ | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Response to Amendment

1. Applicant's arguments with respect to claims 10-22 have been considered but are moot in view of the new ground(s) of rejection.
2. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Claim Rejections - 35 USC § 102

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

4. Claims 10-22 are rejected under 35 U.S.C. 102(e) as being anticipated by Shimomura et al. (US Patent 6,526,580).

Regarding claim 10, Shimomura et al. disclose a fixed wireless network extender (FWNE) device (601, fig.6b) comprising:

one processor unit (540, fig.6b)

a plurality of system buses (see fig.6b)

one control unit monitors and controls (see col.8 lines 45-50) the performance of the radio units a plurality of wireless networking radio units (631, fig.6b)

a plurality wired networking units wherein processor unit running system software and computer networking software (see col.6 lines 35-47 and 590 fig.6b); and

Whereby said a plurality of wireless networking radio units are attached to said system buses (see 543, 631, fig.6b), and

Whereby said a plurality of wireless networking radio units may be attached to said system buses via interface means ("may be" is optional; therefore, is not considered); and

Whereby said a plurality of wired networking units are attached to said system buses (see 541, 590, fig.6b).

Regarding claim 11, Shimomura et al. disclose wherein the processor unit having networking features means for processing computer networking packets among said wireless networking radio units and wired networking units (see col.4 lines 22-37).

Regarding claim 12, Shimomura et al. disclose having selective number and type of said wireless networking radio units for different networking applications (see 631, 541, fig.6b, digital television broadcast receiver is different with cellular networking).

Regarding claim 13, Shimomura et al. disclose said wireless networking radio units having same type and working at different RF channels (see 611, fig.6a "ATSC receiver" corresponds to "same type and working at different RF channels").

Regarding claim 14, Shimomura et al. disclose said wireless networking radio units having same type and working with different RF isolation means for avoiding self-interference (see 631, fig.6b).

Regarding claim 15, Shimomura et al. disclose wherein the radio control unit is an optional unit for said wireless network radio units needing additional hardware controls ("optional unit" is an option, no need to be considered).

Regarding claim 16, Shimomura et al. disclose wherein said wireless networking radio units are built on the same PCB (see 631, fig.6b Shimomura et al. do not mention receiver circuits are attached modules. Therefore, it is inherent the receiver circuits are built in the system 601).

Regarding claim 17, Shimomura et al. disclose means for turning on and off each said wireless networking radio units (see col.8 lines 5-6).

Regarding claims 18 and 20, Shimomura et al. disclose one said FWNE device having a plurality of said wireless networking radio units (631, fig.6b); and communicating a plurality of said wireless networking radio units to remote correspondent wireless networking radio (see col.5 lines 5-22) and the networks behind them (see col.6 lines 35-49); and

said FWNE device performing as central networking feature means for the networking communication among all the said remote wireless networking radio and the networks behind them (see col.6 lines 35-49).

Regarding claims 19 and 21, Shimomura et al. disclose said remote networks is the main network (see col.5 lines 5-22).

Regarding claim 22, Shimomura et al. disclose wherein one of the said wired networks is main network (see 541, fig.6b).

Conclusion

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed Tu Nguyen whose telephone number is 571-272-7883. The examiner can normally be reached on Monday through Friday from 8:30AM-4:30PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, MAUNG NAY A, can be reached at (571) 272-7882. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Any response to this action should be mailed to:

Commissioner of Patents and Trademarks
Washington, D.C. 20231

Hand-delivered responses should be brought to Crystal Park II, 2121 Crystal Drive, Arlington, VA., Sixth Floor (Receptionist). *8-20-05*

TN

August 18, 2005

Tilahun Geesse
TILAHUN GESESSE
PRIMARY EXAMINER